

s/n: 10/614,894  
date: 6-3-05

		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;				
3 ("4303324").PN.		IBM_TDB	6/3/05 13:59			
15 ("4303324").URPN.		USPAT	6/3/05 13:59			
1575331 @ad>"20030303" or @ad="2004" or @ad="2005" ((359/823,824,814) or (369/44.15,44.16,44.17) or 3023 (310/223.02,228,369)).CCLS.		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;				
129 3 and 4		IBM_TDB	6/3/05 14:13			
15 5 and piezo\$2electric ((359/823,824,814) or (369/44.15,44.16,44.17) or 2326 (310/223.02,228,369)).CCLS.		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	6/3/05 14:14			
15 ("3748503"   "3760203"   "4160184"   "4558367"   7 "4601539"   "4748509"   "4975726").PN.		IBM_TDB	6/3/05 14:14			
7 ("4685767").URPN.		USPAT	6/3/05 14:14			
3 ("6437485").URPN.		USPAT	2/7/05 11:03			
4 ("5365296").URPN.		USPAT	2/7/05 10:38			
14 ("5101278").URPN.		USPAT	3 ("6437485").URPN.		USPAT	2/7/05 10:35
15 ("4601539").URPN.		USPAT	4 ("5365296").URPN.		USPAT	2/7/05 10:29
5 ("4423941").URPN.		USPAT	14 ("5101278").URPN.		USPAT	2/7/05 10:28
3 ("6215605").URPN.		USPAT	15 ("4601539").URPN.		USPAT	2/7/05 10:21
16	4303324	USPAT	5 ("4423941").URPN.		USPAT	2/7/05 10:17
1 ("6215605").PN.		USPAT	3 ("6215605").URPN.		USPAT	2/7/05 10:16
3 S24 and piezo\$2electric		USPAT	16	4303324	USPAT	2/7/05 10:16
108 KANG-BYUNG\$9.in. or KIM-OUI\$9.in. drive same transport same piezoelectric same		US-PGPUB; USPAT; USOCR;	1 ("6215605").PN.		US-PGPUB; USPAT;	2/7/05 10:04
2 guide		IBM_TDB	3 S24 and piezo\$2electric		IBM_TDB	2/7/05 10:04
lens same (piezoelectric or PZT or electro\$2strict\$5 or electro\$2restrict\$5) same		US-PGPUB; USPAT;	108 KANG-BYUNG\$9.in. or KIM-OUI\$9.in. drive same transport same piezoelectric same		US-PGPUB; USPAT;	2/7/05 10:02
108 guide		IBM_TDB	2 guide		IBM_TDB	2/7/05 10:01
lens and (piezoelectric or PZT or electro\$2strict\$5 3596 or electro\$2restrict\$5) and guide		US-PGPUB; USPAT;	lens same (piezoelectric or PZT or electro\$2strict\$5 or electro\$2restrict\$5) same		US-PGPUB; USPAT;	2/7/05 10:00
150 piezoelectric with ring with actuator (piezoelectric with ring with actuator) and (guid\$5 4 with lens)		IBM_TDB	108 guide		IBM_TDB	6/18/04 11:14
25 ultrasonic with ring with actuator		US-PGPUB; USPAT;	lens and (piezoelectric or PZT or electro\$2strict\$5 3596 or electro\$2restrict\$5) and guide		US-PGPUB; USPAT;	6/18/04 11:14
		IBM_TDB	150 piezoelectric with ring with actuator (piezoelectric with ring with actuator) and (guid\$5 4 with lens)		IBM_TDB	6/18/04 9:19
		US-PGPUB; USPAT;	25 ultrasonic with ring with actuator		US-PGPUB; USPAT;	6/18/04 9:19
		IBM_TDB			IBM_TDB	6/18/04 9:19

	(ultrasonic with ring with actuator) and (guid\$5 with US-PGPUB; USPAT;		
4 lens		IBM_TDB	6/18/04 9:19
	(lens same (piezoelectric or PZT or electro\$2strict\$5 or electro\$2restrict\$5) same guide) not (lens same (piezoelectric or PZT or electro\$2strictive or electro\$2restrictive) same guide)	US-PGPUB; USPAT; IBM_TDB	6/18/04 9:17
1 guide)		USPAT	6/18/04 8:47
3 5644440.URPN.			
	("4136821"   "4161756"   "4639084"   "4679905"   "4763987"   "4820911"   "4877949"   "4905031"   "4920255"   "5029992"   "5067794"   "5078472"		
15 5122644	"5122644"   "5138497"   "5192856").PN.	USPAT	6/18/04 8:36
9 4905031.URPN.		USPAT	6/18/04 8:29
1 6320707.URPN.		USPAT	6/18/04 8:26
	("4193001"   "4211139"   "4601539"   "4905031"   "5490015"   "5521764"   "5576894"   "5675444"		
10 5768038	"5768038"   "5771095").PN.	USPAT	6/18/04 8:26
8 5490015.URPN.		USPAT	6/18/04 8:20
43 5225941.URPN.		USPAT	6/18/04 8:18
	lens same (piezoelectric or PZT or electro\$2strictive or electro\$2restrictive) same	US-PGPUB; USPAT;	
107 guide		IBM_TDB	6/18/04 8:13
	(lens same (piezoelectric or PZT or electro\$2strictive or electro\$2restrictive) same 8 guide) not (lens same piezoelectric same guide)	US-PGPUB; USPAT; IBM_TDB	6/18/04 8:11
99 lens same piezoelectric same guide		US-PGPUB; USPAT; IBM_TDB	6/18/04 8:10
9 4972215.URPN.		USPAT	6/18/04 8:09
599 piezoelectric adj oscillator		US-PGPUB; USPAT; IBM_TDB	6/18/04 8:07
	(lens same piezoelectric same guide) and 3 (piezoelectric adj oscillator)	US-PGPUB; USPAT; IBM_TDB	6/18/04 8:07